

# SERVICE MANUAL

STEREO RADIO CASSETTE PLAYER

BASIC TAPE MECHANISM: 6ZM-2 P10NF

This Service Manual contains information about the difference between HS-RX695<YJ> and HS-RX695<YH>. If requiring other information, see Service Manual of HS-RX693/695<YH,YU,YZ>, (S/M Code No. 09-997-413-8R1). This Service Manual is the "Supplement" and replaces "Simple Manual" HS-RX695<YJ>, (S/M Code No. 09-998-413-8T2).

**aiwa**  
S/M Code No. 09-99A-413-8S1

SUPPLEMENT

## SPECIFICATIONS

<b>Frequency range:</b>	Reception Area "EU": AM 531 kHz - 1602 kHz (9 kHz step) FM1, FM2 87.5 MHz - 108 MHz (50 kHz step) Reception Area "USA": AM 530 kHz - 1710 kHz (10 kHz step) FM1, FM2 87.5 MHz - 108.1 MHz (200 kHz) Reception Area "JPN": AM 531 kHz - 1629 kHz (9 kHz steps) FM1, FM2 76 MHz - 108 MHz (100 kHz step in 76 MHz - 90 MHz, 50 kHz step in 90 - 108 MHz)
<b>Maximum output:</b>	7 mW + 7 mW (EIAJ/32Ω)
<b>Power source:</b>	Battery DC 3V, size AA(R6) X 2 Domestic AC power (using optional AC adaptor AIWA AC-D302)
<b>Maximum dimensions:</b>	112.9 (W) X 81.2 (H) X 33.8 (D) mm ( $4\frac{1}{2}$ x $3\frac{1}{4}$ x $1\frac{3}{8}$ in.)
<b>Weight:</b>	Approx.154.5g (5.4 oz) (excluding batteries)

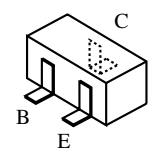
- Design and specifications are subject to change without notice.

# ELECTRICAL MAIN PARTS LIST

REF.NO.	PARTNO.	KANRI NO.	DESCRIPTION	REF.NO.	PARTNO.	KANRI NO.	DESCRIPTION
IC				C203	87-A10-262-080		C-CAP,U 1-10 ZF
	87-002-677-080	IC,TA2002F		C204	87-010-497-040		CAP,E 4.7-35 GAS
	87-A21-407-040	C-IC,TA2104BFN		C206	87-010-785-080		C-CAP,U0.015-25BK
	87-A20-904-080	C-IC,TK11823MTL		C207	87-010-785-080		C-CAP,U0.015-25BK
	87-A20-532-040	IC,LB1977M		C208	87-A10-263-080		C-CAP,U 0.1-16ZF
	87-A21-214-010	C-IC,TC9318FB-049		C209	87-A10-262-080		C-CAP,U 1-10 ZF
	87-A20-638-080	C-IC,PST9120		C210	87-A10-263-080		C-CAP,U 0.1-16ZF
TRANSISTOR				C211	87-A10-025-080		C-CAP,U 0.22-16Z F
	87-026-604-080	C-TR,IMH9		C212	87-012-278-080		C-CAP,U 2200P-50 B
	87-026-352-080	CHIP-TR,DTC144TU		C213	87-A10-031-080		C-CAP,U 0.01-25 KB
	89-113-625-080	TR,2SA1362GR(120MHZ,0.		C214	87-012-172-080		CAPACITOR CHIP U 10P CH
	87-026-585-080	C-TR,IMX1 HQQ		C215	87-010-336-080		C-CAP,S 18P-50 UJ
	89-327-143-080	TR,2SC2714 (0.1W)		C217	87-A10-031-080		C-CAP,U 0.01-25 KB
	87-026-295-080	C-TR,DTC144TK		C219	87-012-162-080		C-CAP,U 1P-50 CK
	89-342-153-080	TR,2SC4215		C220	87-A10-031-080		C-CAP,U 0.01-25 KB
	89-508-804-080	CHIP FET 2SK880Y		C221	87-012-170-080		C-CAP,U 8P-50 CH
	89-327-125-080	CHIP TR,2SC2712GR		C222	87-012-270-080		CAP, U 470P-50
	89-342-132-080	TR,2SC4213		C223	87-012-195-080		C-CAP,U 100P-50
	89-341-165-080	CHIP TRANSISTOR 2SC4116GR		C224	87-012-172-080		CAPACITOR CHIP U 10P CH
	87-026-210-080	CHIP-TR,DTC144EK		C225	87-012-274-080		CHIP CAP,U 1000P-50B
	89-333-266-080	C-TR, 2SC3326B		C226	87-012-140-080		CAP 470P
DIODE				C227	87-012-191-080		CHIP CAP 68 PF
	87-A40-462-040	C-VARI-CAP,SVC347(S)		C228	87-A10-263-080		C-CAP,U 0.1-16ZF
	87-A40-655-040	C-VARI-CAP,HVU200A		C229	87-A10-262-080		C-CAP,U 1-10 ZF
	87-A40-360-080	C-DIODE,MA786		C230	87-A10-031-080		C-CAP,U 0.01-25 KB
	87-A40-630-040	C-DIODE,RB411D		C231	87-010-787-080		CAP, U 0.022-25
	87-017-883-010	LED,SLC22 VR3F		C232	87-012-164-080		C-CAP,U 2P-50 CK
	87-017-779-080	C-DIODE,1SS355		C233	87-A10-031-080		C-CAP,U 0.01-25 KB
	87-001-266-080	C-DIODE,1SS301		C234	87-012-182-080		C-CAP,U 27P-50 CH
MAIN C.B				C261	87-012-195-080		C-CAP,U 100P-50 CH
BPF201	87-A90-601-010	FLTR,BPF GFWB7		C262	87-012-195-080		C-CAP,U 100P-50 CH
C101	87-012-272-080	C-CAP,U 680P-50 B		C401	87-A10-828-080		C-CAP,U 0.33-6.3 K B
C102	87-012-272-080	C-CAP,U 680P-50 B		C402	87-A10-263-080		C-CAP,U 0.1-16ZF
C103	87-012-272-080	C-CAP,U 680P-50 B		C403	87-A10-827-080		C-CAP,U 0.47-6.3 K B
C104	87-012-272-080	C-CAP,U 680P-50 B		C404	87-A10-504-080		C-CAP,U 0.047-16 K B
C105	87-A10-031-080	C-CAP,U 0.01-25 KB		C405	87-A10-504-080		C-CAP,U 0.047-16 K B
C106	87-A10-031-080	C-CAP,U 0.01-25 KB		C406	87-A10-504-080		C-CAP,U 0.047-16 K B
C107	87-016-296-080	C-CAP,TN 22-4SV(A)		C407	87-A10-504-080		C-CAP,U 0.047-16 K B
C108	87-016-296-080	C-CAP,TN 22-4SV(A)		C408	87-A10-263-080		C-CAP,U 0.1-16ZF
C109	87-010-787-080	CAP, U 0.022-25		C409	87-A10-263-080		C-CAP,U 0.1-16ZF
C110	87-010-787-080	CAP, U 0.022-25		C503	87-010-502-040		CAP ELECT GAS 100/4
C113	87-012-278-080	C-CAP,U 2200P-50 B		CF201	87-A90-991-010		FLTR,SFE10.7 MS239-A
C114	87-012-278-080	C-CAP,U 2200P-50 B		CF202	87-A90-991-010		FLTR,SFE10.7 MS239-A
C115	87-A10-263-080	C-CAP,U 0.1-16ZF		CF203	87-A91-162-010		FLTR,PFS450A7
C116	87-A10-263-080	C-CAP,U 0.1-16ZF		IFT201	87-A91-366-010		IFT,MW 5PLG
C117	87-010-502-010	CAP GAS 100-4		J101	87-A60-437-010		JACK,3.5 BLK 4P
C118	87-010-502-040	CAP ELECT GAS 100/4		J501	87-A60-849-010		JACK,DC DIA 2.75 BLK
C119	87-016-296-080	C-CAP,TN 22-4SV(A)		L101	87-A50-322-080		C-COIL,S BK2125 LM252
C120	87-010-424-080	CAPACTOR,TANTAL 4.7-4		L102	87-A50-322-080		C-COIL,S BK2125 LM252
C121	87-A10-262-080	C-CAP,U 1-10 ZF		L103	87-A50-322-080		C-COIL,S BK2125 LM252
C122	87-016-396-080	C-CAP,U 0.22-16F		L104	87-A50-322-080		C-COIL,S BK2125 LM252
C123	87-A10-262-080	C-CAP,U 1-10 ZF		L201	87-HRA-603-010		BAR-ANT,MW
C124	87-010-503-040	CAP,E 220-4 GAS		L202	8Z-HR8-612-010		COIL,FM RF
C151	87-A10-262-080	C-CAP,U 1-10 ZF		L203	8Z-HR8-613-010		COIL,FM OSC
C152	87-A10-262-080	C-CAP,U 1-10 ZF		L204	87-003-226-080		MICRO INDUCTOR 100UJ
C153	87-A10-706-080	C-CAP,U 0.33U-16 F Z		L205	87-005-906-080		C-COIL,S 10.0UHK
C154	87-A10-706-080	C-CAP,U 0.33U-16 F Z		PS651	87-A90-440-010		SNSR,PHOTO GP2S24N2-
C155	87-A11-282-080	C-CAP, S 1-16		S101	87-A90-050-010		SW, SL 2-2-2 NS (BLK)
C156	87-A11-282-080	C-CAP, S 1-16		S151	87-A90-050-010		SW, SL 2-2-2 NS (BLK)
C157	87-A10-262-080	C-CAP,U 1-10 ZF		S701	87-A91-421-010		SW,LEAF 6ZM-2(H)
C158	87-A10-262-080	C-CAP,U 1-10 ZF		S702	87-A90-361-010		SW,PUSH SPPB51-H11.3
C159	87-A10-263-080	C-CAP,U 0.1-16ZF		SFR401	87-A90-734-080		C-SFR,33K B RH03AXAN4X
C201	87-012-195-080	C-CAP,U 100P-50CH		TC201	87-011-252-080		TRIMMER 10P LAR
C202	87-010-829-080	CAP, U 0.047-16		TH401	87-A90-477-080		C-THMS,157-502-53002-TP
				VR101	87-A90-479-010		VR,RTRY 20KAX2
				X201	87-A91-094-010		FLTR,CDA10.7 MG80A
				CONT C.B			
				C301	87-012-191-080		CHIP CAP 68 PF

REF.NO.	PARTNO.	KANRI NO.	DESCRIPTION
C302	87-012-167-080		C-CAP,U 5P-50 CH
C303	87-012-170-080		C-CAP,U 8P-50 CH
C304	87-A10-263-080		C-CAP,U 0.1-16ZF
C305	87-A10-262-080		C-CAP,U 1-10 ZF
C306	87-010-787-080		CAP, U 0.022-25
C307	87-A11-282-080		C-CAP,S 1-16 K B
C308	87-A10-263-080		C-CAP,U 0.1-16ZF
C310	87-012-274-080		CHIP CAP,U 1000P-50B
C601	87-012-274-080		CHIP CAP,U 1000P-50B
C602	87-A10-262-080		C-CAP,U 1-10 ZF
C603	87-A10-262-080		C-CAP,U 1-10 ZF
C604	87-012-180-080		C-CAP,U 22P-50
C605	87-012-180-080		C-CAP,U 22P-50
C606	87-A10-706-080		C-CAP,U 0.33U-16 F Z
C607	87-A10-263-080		C-CAP,U 0.1-16ZF
C608	87-A10-263-080		C-CAP,U 0.1-16ZF
C609	87-A10-263-080		C-CAP,U 0.1-16ZF
C610	87-A10-263-080		C-CAP,U 0.1-16ZF
C611	87-A10-262-080		C-CAP,U 1-10 ZF
C612	87-A10-262-080		C-CAP,U 1-10 ZF
C613	87-A10-262-080		C-CAP,U 1-10 ZF
C614	87-012-274-080		CHIP CAP,U 1000P-50B
C615	87-012-274-080		C-CAP, U 1000P-50
L301	87-A50-230-080		C-COIL,D-D (CP4LEB)
LCD601	8Z-HR8-606-010		LCD,AIW4184
R606	87-022-245-080		C-RES U 18K-1/16WF
S601	87-A90-665-080		C-SW,TACT LS7A2M
S602	87-A90-665-080		C-SW,TACT LS7A2M
S603	87-A90-665-080		C-SW,TACT LS7A2M
S604	87-A90-665-080		C-SW,TACT LS7A2M
S605	87-A90-665-080		C-SW,TACT LS7A2M
S606	87-A90-665-080		C-SW,TACT LS7A2M
S607	87-A90-665-080		C-SW,TACT LS7A2M
S608	87-A90-665-080		C-SW,TACT LS7A2M
S609	87-A90-665-080		C-SW,TACT LS7A2M
S610	87-036-379-180		C-SW,SL 1-1-2
X601	87-A70-187-010		VIB,XTAL 75KHZ CFV206
SW C.B			
S611	87-A91-365-080		C-SW,PUSH 1-1-1 SPVG21
FLEX C.B			
PH1	8Z-HKE-619-010		HEAD,ASSY 6ZM-2 (P10)

TRANSISTOR ILLUSTRATION



2SC3326B

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち

Chip Resistor Part Coding



A  
抵抗部品コード  
Resistor Code

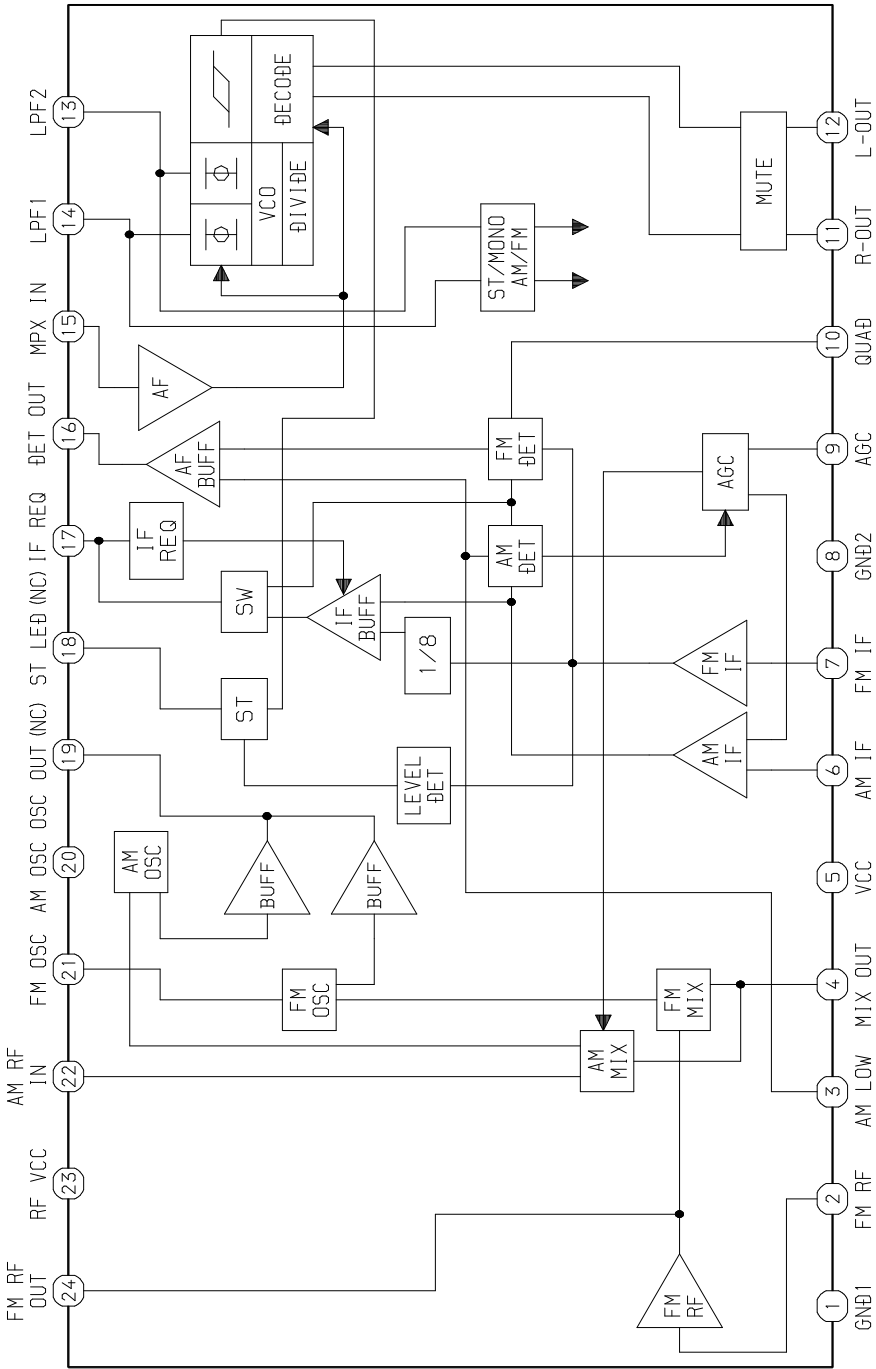
桁表示  
Figure  
抵抗値  
Value of resistor

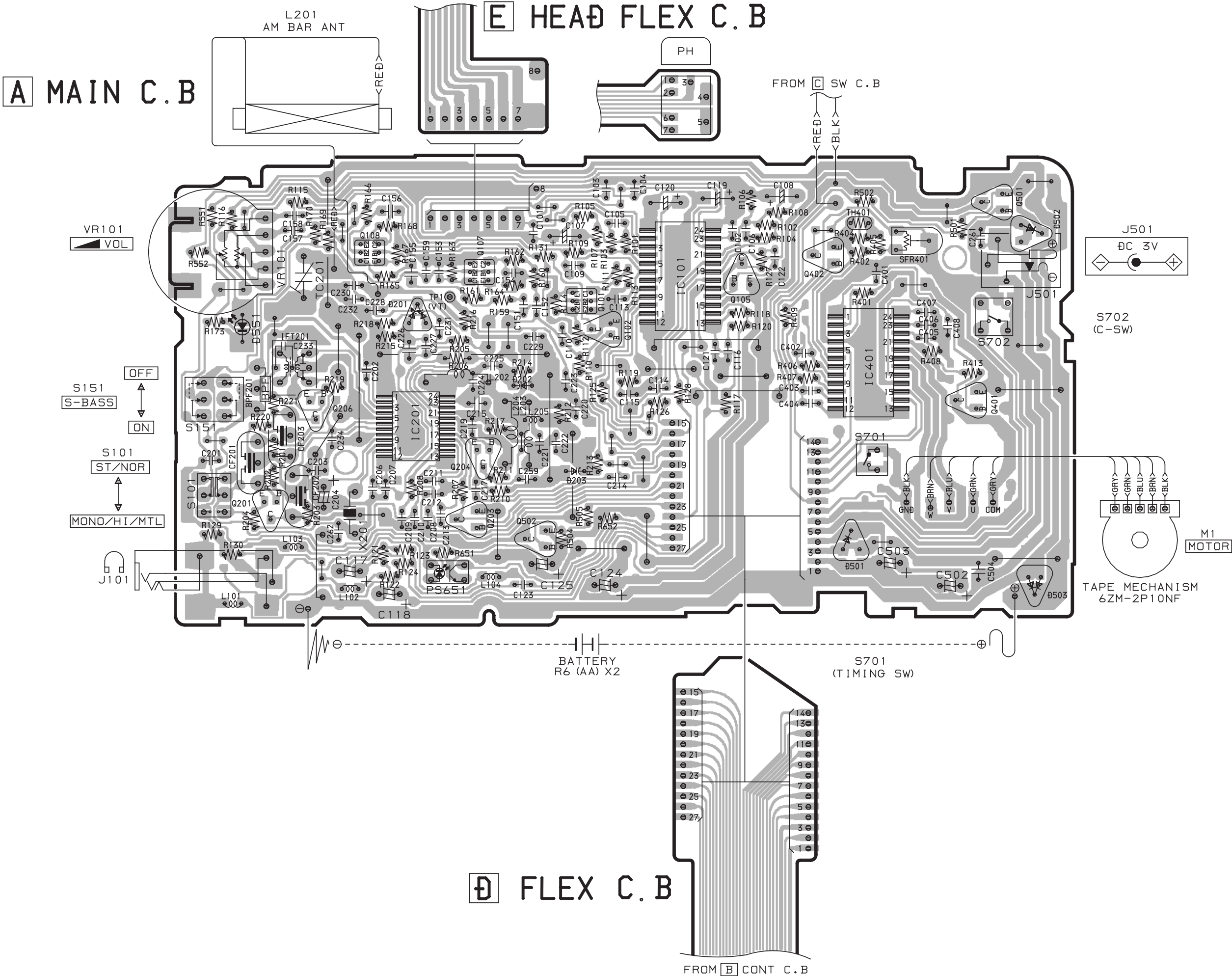
チップ抵抗  
Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm)				抵抗コード : A Resistor Code : A
				外形／Form	L	W	t	
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

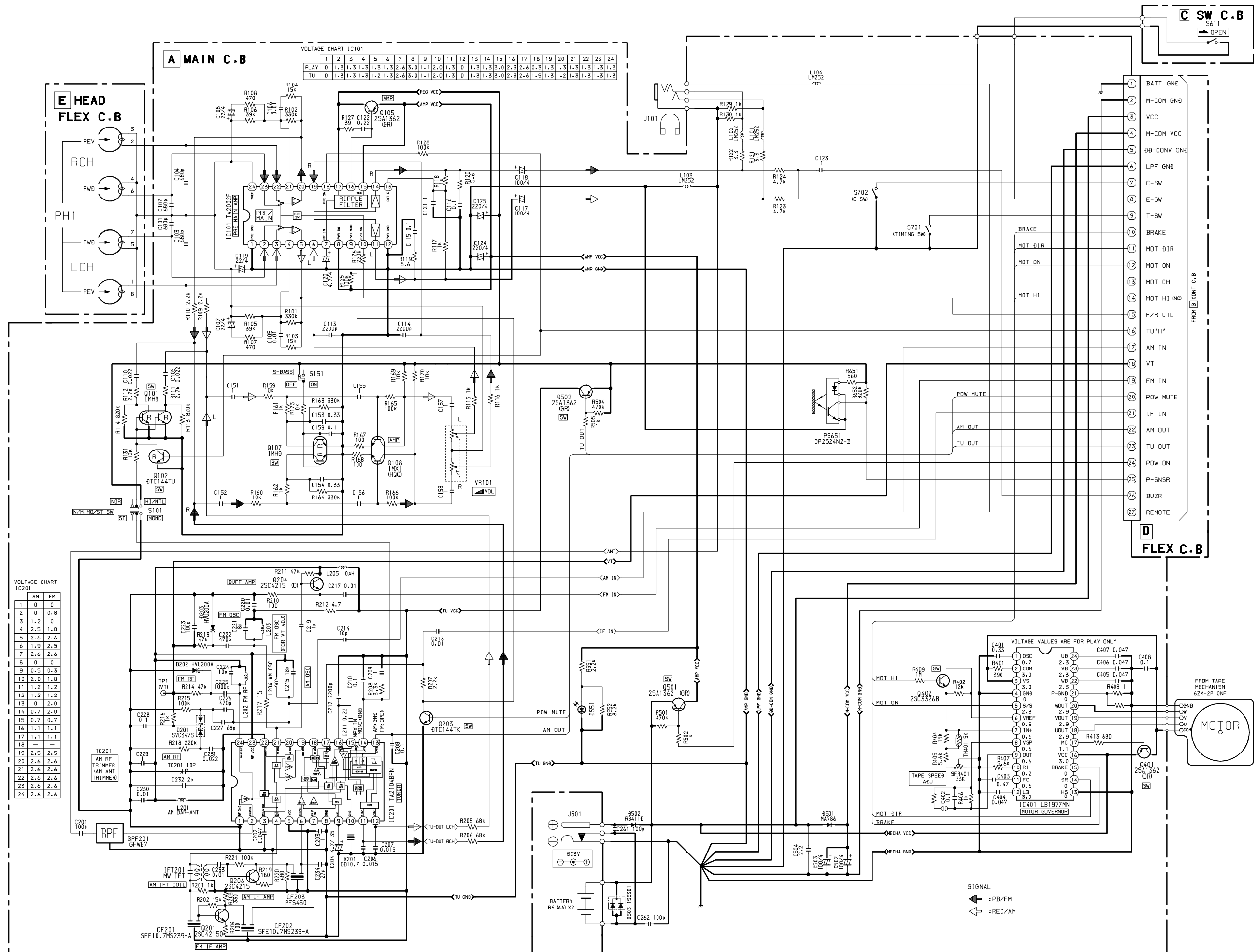
IC BLOCK DIAGRAM

IC, TA2104BFN

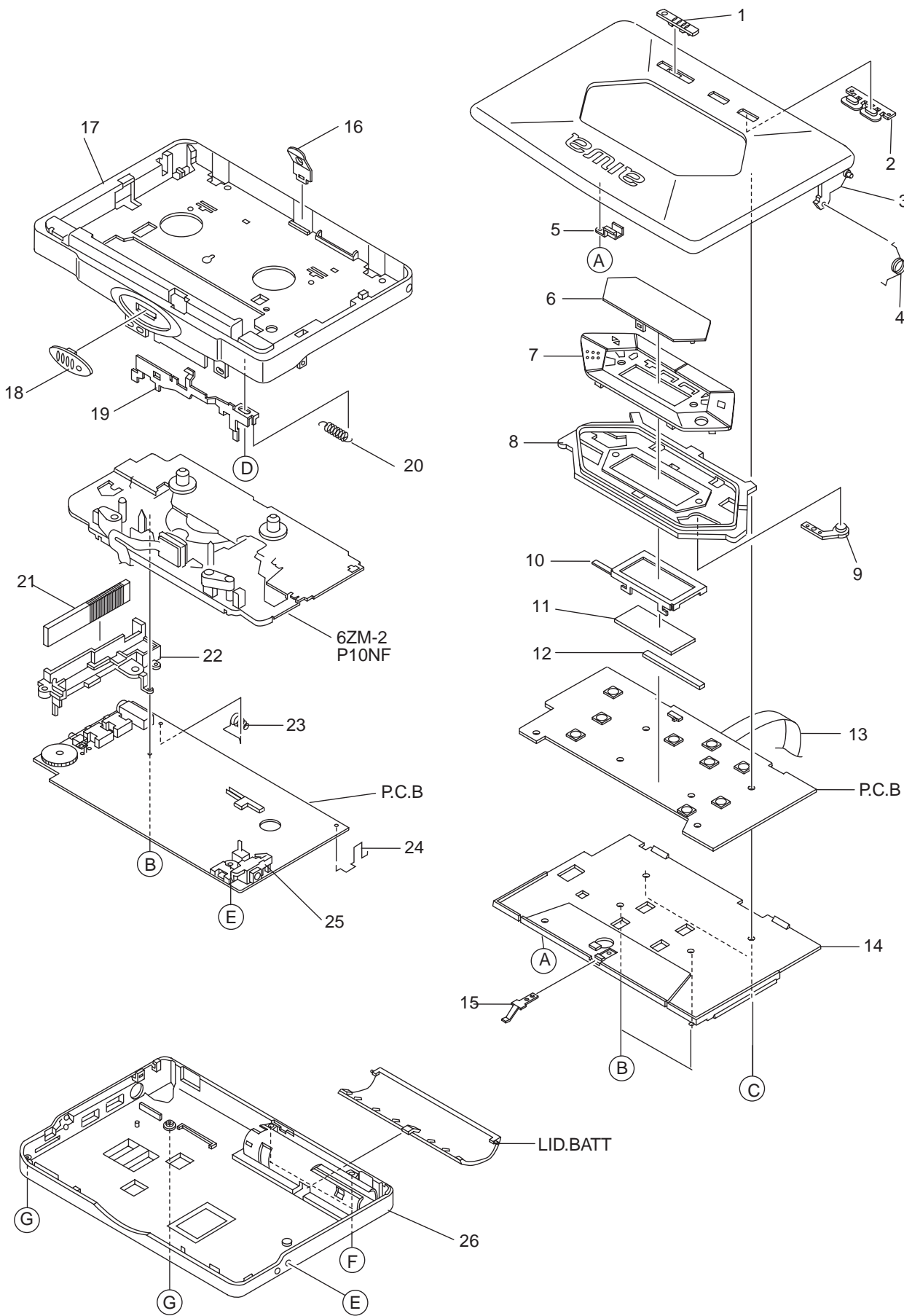




# SCHEMATIC DIAGRAM-1 (MAIN)



MECHANICAL EXPLODED VIEW 1/1



MECHANICAL PARTS LIST 1/1

REF.NO.	PARTNO.	KANRI NO.	DESCRIPTION
1	8Z-HR8-008-010		KNOB,SL HOLD
2	8Z-HR8-009-010		KEY,TUNING
3	8Z-HR8-015-110		LID,CASS 695
4	8Z-HR8-204-010		SPR-T,OPEN
5	8Z-HR8-207-010		PLATE,STOPPER
6	8Z-HR8-005-010		WINDOW,LCD
7	8Z-HR8-007-010		KEY,CONT
8	8Z-HR8-006-010		PANEL,BASE
9	8Z-HR8-010-010		KEY,ENTER
10	8Z-HR8-213-010		HLDR,LCD
11	8Z-HR8-606-010		LCD,AIW4184
12	8Z-HR8-214-010		CONN, RUBBER1.3-30.5
13	8Z-HR8-607-110		PWB,FLEX 27P
14	8Z-HR8-210-110		COVER, PWB
15	8Z-HR8-208-010		SPR-P,POP UP
16	87-HG6-204-010		SPR-P,CASS
17	8Z-HR8-003-210		FRAME,CENTER
18	8Z-HR8-012-010		KNOB,SL OPEN
19	8Z-HR8-203-010		PLATE,LOCK
20	8Z-HR8-215-010		SPR-E,OPEN
21	87-HRA-603-010		BAR-ANT,MW
22	8Z-HR8-201-010		HLDR,ANTENNA
23	8Z-HR8-206-010		TERMINAL,BAT-
24	8Z-HR8-205-010		TERMINAL,BAT+
25	8Z-HR8-202-010		HLDR,SW
26	8Z-HR8-022-110		CABI,ASSY
A	88-HJ3-219-010		S-SCREW,+1.4-2.5 B HL(0.3)
B	87-067-430-010		VT1.4-5 BLK
C	8Z-HR8-209-010		S-SCREW,+1.7-3.5 BLK HL (0.3)
D	87-HK5-235-010		S-SCREW,1.4-0.6-2.5
E	8Z-HR8-212-010		S-SCREW,+1.4-4.5 CR HL
F	87-067-384-010		SCREWWT1.4-3.5HL
G	8Z-HR8-211-010		S-SCREW,+1.4-8 BLK HL

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange		



ACCESSORIES/PACKAGE LIST

REF.NO.	PARTNO.	KANRI NO.	DESCRIPTION
1	8Z-HR8-951-010	RC	UNIT,RC695
2	8Z-HR8-905-110	IB,YH (ECK) S	695
3	84-447-019-310	CLIP,BELT	
4	87-B30-251-010	HEADPHONE,HP-M042 (F)	

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A4▶

サービス技術ニュース	
番号	連絡内容
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Gー	ー
Gー	ー

**アイワ株式会社** 〒110-8710 東京都台東区池之端1-2-11 ☎03(3827)3111（代表）  
**AIWA CO.,LTD.** 2-11, IKENOHATA 1-CHOME, TAITO-KU, TOKYO 110, JAPAN TEL:03(3827)3111